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DETAILED DESCRIPTION

[Detailed explanation of a design]

[0001]

[Industrial Application]

This design is related with the charge type voice generating actuation toy which consists of the combination of the body of a toy, and a battery charger.

[0002]

[The purpose of the conventional technique and a design]

The thing of versatility [toy / the former to / charge type] is devised, and practical use is presented with it. As a typical thing, the transit toy is known especially. This transit toy charges the rechargeable battery which is the power source of a motor with a battery charger, with this rechargeable battery, operates a motor and is run a rechargeable battery.

[0003]

It sets it as the purpose that this design proposes an interesting charge type voice generating actuation toy with the real feeling which the thought of the above-mentioned conventional charge type toy is developed further, and utters the behavior and the cry near especially a genuine article.

[0004]

[Means for Achieving the Goal]

As a means for attaining the above-mentioned purpose, the charge type voice generating actuation toy concerning this design is a toy of operation which consists of the combination of the body of a toy which has the gestalt of a doll, an animal, etc., and the battery charger which has the gestalt of a milk bottle, food, etc., and is characterized by having the following requirements.

(b) While the preparing-in above-mentioned body of toy (b) [where a rechargeable battery, a sway sensor, a speech generation device, the driving gear that operates this body of a toy, and the connector for charge are connected electrically]. Above-mentioned speech generation device is formed so that at least two kinds of voice may be uttered. It is coordinated with the control unit which the voice uttered only at the time of charge and the voice which a sway sensor utters only at the time of actuation are changed, and is controlled. And this control device is that connect with the preparing-in above-mentioned body of toy (Ha) above-mentioned battery charger at the dc-battery for supply, and this dc-battery for supply, and the connector for supply power sources corresponding to the above-mentioned connector for charge is prepared. [0005]

[An operation of a design, effectiveness]

According to the charge type voice generating actuation toy concerning this design, it being able to charge at the rechargeable battery within the above-mentioned body of a toy and coincidence can be made to generate voice from a speech generation device like the above-mentioned configuration by making fit-in connection of the connector for supply power sources of the battery charger which has the gestalt of a milk bottle, food, etc. in the connector for charge of the body of a toy which has the gestalt of a doll, an animal, etc. Next, in the condition of having made the battery charger ****(ing) from the body of a toy, if a sway sensor operates, while a driving gear will operate and operating the above-mentioned body of a toy, from a speech generation device, different voice from the above-mentioned voice can be generated.

[0006]

While imitating a cat, forming the body of a toy and specifically preparing the connector for charge in the regio oralis, a milk bottle is imitated and a battery charger is formed. And since charge being performed by making fit-in connection of the connector for supply power sources of this battery charger at the above-mentioned connector for charge and coincidence are made to generate the sound "KUCHUKUCHU" which drinks milk from a speech generation device, it matches [the gestalt and voice at the time of charge] and is interesting.

[0007]

Next, in the condition of having made the battery charger ****(ing) from the body of a toy since a crv "NVA-N and PAGE 11/16 * RCVD AT 11/17/2006 2:05:32 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-3/2 * DNIS:2738300 * CSID:2125880500 * DURATION (mm:ss) 05-08

"NYA-N" will be generated from a speech generation device while a driving gear operates and operating the tail of the above-mentioned body of a toy if a sway sensor operates, it is [the behavior and the cry near a genuine article are uttered and / a real feeling] and is interesting.

[0008] -

[Example]

Hereafter, a drawing explains an example of the embodiment of this design.

[0009]

In drawing 3, a sign 1 shows the charge type voice generating actuation toy concerning this design, and this charge type voice generating actuation toy 1 is constituted by the combination of the body 2 of a toy, and a battery charger 3.

[0010]

Where a rechargeable battery 4, a sway sensor 5, a speech generation device 6, a driving gear 7, the connector 8 for charge, and a control unit 9 are connected electrically, the body 2 of a toy is prepared in the interior, while it imitates sewing-basis of a cat and is formed.

[0011]

The sound "KUCHUKUCHU" and the second voice to which a speech generation device 6 changes from speech synthesis IC 10, and two kinds of voice, i.e., the first voice, drinks milk are formed so that a cry "NYA-N and NYA-N" may be generated. And the first voice of the above is formed so that it may generate, only when having charged the rechargeable battery 4 formed in the body 2 of a toy with the battery charger 3, and the second voice of the above is formed so that it may generate, only while the sway sensor 5 is operating. Two kinds of voice uttered from the above-mentioned speech generation device 6 is formed so that it may be controlled by the control unit 9 mentioned later.

[0012]

From the bottom part within the body 2 of a toy, it applies to a tail and a driving gear 7 is arranged while it makes a motor 11 a driving source. And when the above-mentioned driving gear 7 operates, tail 2a can be operated. A driving gear 7 should just use a well-known thing conventionally. For example, although there are some which were indicated in application-for-utility-model-registration Taira No. 402886 [two to], equipment 7 of operation is not necessarily limited to this.

[0013]

The connector 8 for charge is formed in the condition that the tip was exposed to the regio oralis of the body 2 of a toy. Moreover, a control unit 9 is controlled to generate the voice from which predetermined differs from a speech generation device 6 on the above-mentioned body 2 of a toy with a battery charger 3 corresponding to the time of charge or actuation of a sway sensor 5 while being formed from a microcomputer or various kinds of logical circuits.

[0014]

Next, while a battery charger 3 imitates a milk bottle and being formed, the dc-battery 12 for supply is dedicated to the interior. Moreover, the connector 13 for supply power sources corresponding to the connector 8 for charge prepared in the body 2 of a toy is formed in the center of a tip of the above-mentioned battery charger 3. And this connector 13 for supply power sources and the above-mentioned dc-battery 12 for supply are connected electrically.

[0015]

The charge type voice generating actuation toy 1 makes fit-in connection of the connector 13 for supply power sources at the tip of the battery charger 3 formed in the connector 8 for charge of a configuration, now the regio oralis of the body 2 of a toy formed by imitating sewing-basis of a cat in the use since it was by imitating a milk bottle as mentioned above. By this, the rechargeable battery 4 formed in the above-mentioned body 2 of a toy can be charged. Moreover, since the sound "KUCHUKUCHU" which a speech generation device 6 is controlled by the control unit 9 in the above-mentioned charge condition, and drinks milk from this speech generation device is generated, it is [the gestalt and voice which are kicked at the time of the above-mentioned charge match, and / a real feeling] and is interesting.

[0016]

Next, in the condition that charge was completed on the body 2 of a toy, since a speech generation device 6 will be controlled by the control unit 9 and a cry "NYA-N and NYA-N" will be generated from this speech generation device 6 while a driving gear 7 operates through the motor drive circuit 14 and operating tail 2a of the body 2 of a toy if a sway sensor 5 operates, the behavior and the cry near a genuine article are obtained and it is interesting.

[0017]

According to the charge type voice generating actuation toy 1, it is [the gestalt when charging the body 2 of a toy which has the gestalt of a cat with the battery charger 3 which has the gestalt of a milk bottle, and the sound which drinks the milk emitted from a speech generation device 6 match, and / a real feeling] and is interesting as mentioned above. Moreover, while operating tail 2a through a mechanical component 9 because a sway sensor 5 operates after completing charge, since a cry is uttered, the behavior and the situation near a genuine article can be acquired from the above-mentioned speech generation device 6.

Next, drawing 4 is what showed other examples of the charge type voice generating actuation toy 1, and the appearance of the body 2 of a toy imitates a sea otter, and it is formed. And the same effectiveness as the above can be acquired also in this example.

[0019] ▶

In addition, since it is the same as that of drawing 1, the internal structure of the body 2 of a toy is not illustrated. Moreover, since a same sign shows at least the said division, explanation is omitted.

[Translation done.]

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MEANS**[Means for Achieving the Goal]**

As a means for attaining the above-mentioned purpose, the charge type voice generating actuation toy concerning this design is a toy of operation which consists of the combination of the body of a toy which has the gestalt of a doll, an animal, etc., and the battery charger which has the gestalt of a milk bottle, food, etc., and is characterized by having the following requirements.

(b) While the preparing-in above-mentioned body of toy (b) [where a rechargeable battery, a sway sensor, a speech generation device, the driving gear that operates this body of a toy, and the connector for charge are connected electrically] above-mentioned speech generation device is formed so that at least two kinds of voice may be uttered. It is coordinated with the control unit which the voice uttered only at the time of charge and the voice which a sway sensor utters only at the time of actuation are changed, and is controlled. And this control device is that connect with the preparing-in above-mentioned body of toy (Ha) above-mentioned battery charger at the dc-battery for supply, and this dc-battery for supply, and the connector for supply power sources corresponding to the above-mentioned connector for charge is prepared. [0005]

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CLAIMS

[Utility model registration claim]

[Claim 1] The charge type voice generating actuation toy which is a toy of operation which consists of the combination of the body of a toy which has the gestalt of a doll, an animal, etc., and the battery charger which has the gestalt of a milk bottle, food, etc., and is characterized by having the following requirements.

(b) While the preparing-in above-mentioned body of toy (b) [where a rechargeable battery, a sway sensor, a speech generation device, the driving gear that operates this body of a toy, and the connector for charge are connected electrically] above-mentioned speech generation device is formed so that at least two kinds of voice may be uttered It is coordinated with the control unit which the voice uttered only at the time of charge and the voice which a sway sensor utters only at the time of actuation are changed, and is controlled. And this control device is that connect with the preparing-in above-mentioned body of toy (Ha) above-mentioned battery charger at the dc-battery for supply, and this dc-battery for supply, and the connector for supply power sources corresponding to the above-mentioned connector for charge is prepared.

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DESCRIPTION OF DRAWINGS**[Brief Description of the Drawings]**

[Drawing 1] It is the explanatory view showing the internal structure of the charge type voice generating actuation toy concerning this design.

[Drawing 2] It is the block diagram showing the electrical operation of the above-mentioned charge type voice generating actuation toy.

[Drawing 3] It is the explanatory view showing a charge condition charge before of the above-mentioned charge type voice generating actuation toy.

[Drawing 4] It is the perspective view showing other examples of a charge type voice generating actuation toy.

[Description of Notations]

- 1 Charge Type Voice Generating Actuation Toy
- 2 Body of Toy
- 3 Battery Charger
- 4 Rechargeable Battery
- 5 Sway Sensor
- 6 Speech Generation Device
- 7 Driving Gear
- 8 Connector for Charge
- 9 Control Unit
- 12 Dc-battery for Supply
- 13 Connector for Supply Power Sources

[Translation done.]